

ABSTRACT

In a method for producing a positive electrode active material including a mixing step of mixing a plurality of substances to give a precursor and a sintering step of sintering and reacting said precursor obtained by said mixing step, in which these substances prove a starting material for synthesis of a compound represented by the general formula $Li_xM_yPO_4$ where x is such that $0 < x \leq 2$, y is such that $0.8 \leq y \leq 1.2$ and M includes at least one of 3d transition metals,, a reducing agent is added in the above mixing step to said precursor to render it possible to prepare a positive electrode active material capable of reversibly and satisfactorily doping/undoping lithium.

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